QST

INDEX TO VOLUME XVIII

1934

AMATEUR RADIO STATIONS

ON4BZ, Brussels, Belgium ... 40, Sept.
VE2HM, Montreal, P. Q. ... 42, Apr.
VE3EU, Toronto, Ontario ... 51, Aug.
W1DNF, Taunton, Mass. ... 50, Aug.
W2BJ, Brooklyn, N. Y. ... 42, Oct.
W2DC, Scotia, N. Y. ... 39, Sept.
W2ESK, New York City ... 36, July
W2ETD, New York City ... 44, Mar.
W2GOX, North Arlington, N. J. ... 50, Aug.
W3BEI, Haddon Heights, N. J. ... 41, Apr.
W3BWQ, Wyncote, Pa. ... 39, Nov.
W3KL, Bridgeton, N. J. ... 38, Nov.
W3MG, New Cumberland, Pa. ... 42, Feb.
W4BGA, Pensacola, Fla. ... 46, June
W4MS, Pensacola, Fla. ... 39, Sept.
W5DLG, Tularosa, N. M. ... 38, Nov.
W6AXN, Calexico, Calif. ... 42, Jan.
W6ERT, San Pedro, Calif. ... 42, Feb.
W6ETX, Los Angeles, Calif. ... 46, June
W6HOG, Glendale, Calif. ... 51, Aug.
W6ITH, Berkeley, Calif. ... 35, July
W6RJ-WLVB, Oakland, Calif. ... 41, Oct.
W7BB, Seattle, Wash. ... 41, Apr.
W8GQ, Utica, N. Y. ... 41, Oct.
W8IDJ, Oneonta, N. Y. ... 45, June
W8WT, Detroit, Mich. ... 36, July
W9AUH, Louisville, Ky. ... 46, Dec.
W9BUY, Independence, Kans. ... 42, Jan.
W9DRD, Merriam, Kans. ... 45, June
W9FAV, Oshkosh, Wis. ... 45, July
W9FAZ, Chicago, Ill. ... 44, Mar.

REGULATION AND LEGISLATION

As To Expired Licenses ... 27, Mar.
Commission Tightens Enforcement of Regulations ... 72, Feb.
Editorial ... 9, April; 7, July; 9, Aug.
Further Notes on License Problems ... 10, Apr.
How to Get a Class-C License (Warner) ... 38, Jan.
License Danger ... 65, Feb.
Operating Notes ... 31, Aug.
Washington Notes ... 136, May
What the League Is Doing ... 35, June; 18, July; 32, Aug.; 29, Sept.; 20, Oct.; 20, Nov.; 27, Dec.

ANNIVERSARIES

A Sketch of Technical Progress (R. A. H.) ... 27, May
Amateur Radio Marches On (Gildersleeve) ... 33, May
Announcing—The A.R.R.L. "20th Anniversary Relay" (F. E. H.) ... 19, Apr.
Connecticut Stations Organized for A.R.R.L. 20th Anniversary Relay April 7th–8th ... 45, Apr.
Editorial ... 9, May
Flash! ... 73, May
Hiram Percy Maxim ... 8, May
Some Anniversary Greetings ... 10, May
Tenth Anniversary Greetings ... 74, May
The Tenth Anniversary of Transocean Work (F. E. H.) ... 10, Jan.
Twenty Years of Amateur Radio (De Soto) ... 20, May
Two Decades of Progress in Station Equipment ... 28, May

ANTENNAS, TRANSMISSION LINES

5-Meter Antenna for the Car (Exp. Section) ... 35, Oct.
A 14-Mc. Rotary Beam Antenna for Transmitting and Receiving (Shanklin) ... 32, July
A "Marconi-Zepp" (Exp. Section) ... 48, Aug.
A Practical Transmission-Line System for the Doublet Antenna (Johnson and Glover) ... 17, Jan.
A Universal Antenna Coupling System for Modern Transmitters (Collins) ... 15, Feb.
Extending the Range of Ultra-High-Frequency Amateur Stations (Hull) ... 10, Oct.
Half-Wave Herts for Receiving (Exp. Section) ... 42, Mar.
Improving the Performance of the Voltage-Fed Hertz (Exp. Section) ... 39, Apr.
Increasing Radiating Efficiency for Short Antennas (Dome) ... 9, Sept.
Link Coupling to the Antenna Tuner (Exp. Section) ... 42, June
Plugs and Jacks for Automatic Feeder Switching (Exp. Section) ... 49, Aug.
Pointers on Noise-Reducing Receiving Antenna Systems (Hatry) ... 20, Aug.
Portable Feeders (Exp. Section) ... 48, Aug.
Practical Communication on the 224-Mc. Band (Hull) ... 8, Nov.
Practice vs. Theory in Antenna Performance (Sanders) ... 33, Dec.
The Directive Antenna at KA1NA (Redgrave) ... 21, Nov.
The Twisted-Pair-Feeder Transmitting Antenna for Receiving (Exp. Section) ... 38, July
Universal Joint Antenna Insulator ... 72, Dec.
Universal Joint for Zepp Antenna (Exp. Section) ... 44, Feb.
Voltage-Fed Antenna with Twisted-Pair Feeders (Exp. Section) ... 44, Feb.
Wiping Out the Harmonic ... 45, Jan.

ARMY-AMATEUR RADIO SYSTEM

Armistice Day Message ... 39, Mar.
Special Calls—A.A.R.S. ... 55, June
The Army Amateur Radio System (Nebel) ... 52, Feb.
Third Corps Area Asks Amateur Help (Bixby) ... 16, Oct.
WX Reports by Radio ... 42, Nov.

BEGINNERS

1715-kc. Code Practice ... 52, Feb.; 51, March; 52, June; 43, July; 51, Sept.; 43, Nov.
A Two-Way Telegraph and Telephone System for Code Practice (Jepson and Hoyle) ... 12, Nov.
New Code-Practice Oscillator ... 82, Feb.
On Learning the Code (Hedges) ... 49, Feb.
WCNW Offers Code Practice ... 45, July

BOOK REVIEWS

Bob's Hill on the Air (Burton) ... 76, Nov.
Gateway to Radio (Firth and Erskine) ... 76, Nov.

CALLS HEARD

46, Feb. 49, June 48, Sept. 50, Dec.

COMMUNICATIONS DEPARTMENT

A.R.R.L. Official Observers ... 52, Sept.
A.R.R.L. Phone Organization Notes ... 48, Oct.
A.R.R.L. Traffic Routes ... 52, June; 44, July
A.R.R.L. Trunk Lines ... 45, Apr.
About Handling Messages ... 53, Sept.
Announcement, A.R.R.L. O.R.S. and O.P.S. July Activities ... 43, July
Announcement to O.P.S. ... 50, Jan.
Brass Pounders' League ... 52, Jan.; 51, Feb.; 50, March; 49, April; 75, May; 54, June; 45, July; 56, Aug.; 53, Sept.; 47, Oct.; 45, Nov.
Counting Ham Traffic ... 53, Sept.
Invitation, and Announcement of A.R.R.L. ORS/OPS October Activities ... 48, Oct.
Official Broadcasting Stations ... 49, Oct.
Supplements: 52, Jan.; 52, Feb.; 51, Mar.; 49, Apr.; 77, May; 55, June; 43, July; 45, Nov.; 56, Dec.
Official Relay Station Progress ... 48, Oct.
New W1MK Operator ... 54, June
Roster, A.R.R.L. Official Phone Stations ... 47, Apr.
The Official 'Phone Station Appointment ... 52, Sept.
Trunk Lines ... 49, Oct.
W1MK ... 49, Oct.

CONTESTS AND TESTS

1750-kc. Tests ... 52, Feb.
1934 Radio Pentathlon (Vanoncini) ... 88, May
A.R.R.L. All-Section Sweepstakes Contest (Handy) ... 18, Nov.
A.R.R.L. Copying Bee—December 14th (F. E. H.) ... 23, Dec.
Announcing—The A.R.R.L. "20th Anniversary Relay" (F. E. H.) ... 19, Apr.
Announcement to O.P.S. ... 50, Jan.
Armistice Day Message ... 39, Mar.
Canada—U. S. A. Contact Contest ... 40, Oct.
Connecticut Stations Organized for A.R.R.L. 20th Anniversary Relay April 7th–8th ... 45 Apr.

Echoes of the Sweepstakes ..... 55, Aug.
Flash! ..... 73, May
Fourth All-Section Sweepstakes Contest Results (Battey) ..... 90, May
Greatest DX Contest Ever Staged (C. C. R.) ... 56, May
Highest Scores—October O.R.S. QSO Party. ... 51, Jan.
International DX Test Time-Table Forecast (C. B. D.) ..... 12, Mar.
January, 1934—O.R.S. QSO Party ..... 47, Apr.
January 20th–21st—Announcement for O.R.S. ..... 50, Jan.
Michigan "UP–LP QSO Party-Contest" ..... 55, Feb.
Navy Day—1933 (Battey) ..... 38, Feb.
Navy Day Receiving Competition—October 27th ..... 26, Nov.
O.P.S. QSO Party Scores ..... 43, July
O.R.S. QSO Party Scores—April, 1934 ..... 43, July
Polish Section Announces DX Contest ..... 26, Dec.
Results 1750-Kc. Tests ..... 46, July
Second A.R.R.L. Field Day Results (F. E. H.) .. 34, Sept.
Second Annual A.R.R.L. Field Day Contest to Test Portables (F. E. H.) ..... 8, June
Sixth International Relay Competition Results (E. L. B.) ..... 23, Sept.
Spanish DX Contest ..... 48, Mar.
The International Air Race ..... 30, Nov.
The Melbourne Centenary International DX Contest (Cunningham) ..... 33, Oct.
The Sixth International Relay Competition March 10th–18th (Handy) ..... 22, Feb.
The Tenth Anniversary of Transocean Work (F. E. H.) ..... 10, Jan.

CONVENTIONS AND HAMFESTS

718 Attend Boston Hamfest! ..... 76, May
A Golf-Hamfest (Smith) ..... 47, Oct.
Amateur Radio Enjoys a Holiday ..... 22, Dec.
Atlantic Division Convention (Ann.) Pittsburgh 34, June
Canadian Convention (Report) Toronto ..... 86, Dec.
Central Division Convention (Ann.) Columbus 88, Sept.
Central New York Convention (Report) Syracuse ..... 84, Aug.
Coming Hamfests ..... 45, Apr.
Coming Meetings..53, June; 45, July; 54, Aug.; 51, Sept.
Dakota Hamfest—October 13th–14th ..... 48, Oct.
Dakota Hamfest Big Success (S. E. D.) ..... 35, Dec.
Delta Division Convention (Ann.) Memphis... 28, Oct.
Hudson Division Convention (Ann.) New York 114, May
Indiana State Convention (Ann.) South Bend.. 30, June
Iowa State Convention (Ann.) Des Moines..... 20, Apr.
Kansas A.R.R.L. Convention (Report) Topeka. 92, Dec.
Kansas State Convention (Ann.) Topeka ..... 28, Oct.
Louisiana Section Convention (Report) Shreveport ..... 36, Dec.
Louisiana State Convention (Ann.) Shreveport. 86, Sept.
Massachusetts State Convention (Ann.) Provincetown ..... 8, July
Massachusetts State Convention (Report) Provincetown ..... 28, Sept.
Meetings Scheduled ..... 73, May
Midwest Division Convention (Ann.) Lincoln .. 10, Aug.
Midwest Division Convention (Report) Lincoln 30, Dec.
Midwest Division Convention (Report) Kansas City ..... 35, Dec.
Missouri State Convention (Ann.) Kansas City. 74, Aug.
New England Division Convention (Ann.) Springfield ..... 20, Apr.
Northwestern Division Convention (Ann.) Seattle ..... 82, Aug.
Oklahoma State Convention (Ann.) Ponca City 16, Jan.
Ontario Division Convention (Ann.) Toronto... 88, Sept.
Pacific Division Convention (Ann.) Fresno..... 28, Oct.
Perth Amboy, N. J., Hamfest (C. B. D.)..... 28, Sept.
Roanoke Division Convention (Ann.) Roanoke. 86, Sept.
Rocky Mountain Division Convention (Ann.) Rocky Ford ..... 31, Aug.
Saskatchewan Hamfest Well Attended (C. B. D.) 45, Aug.
South Dakota's Convention (Report) Huron... 28, Sept.
Southeastern Division Convention (Ann.) Mobile ..... 28, Oct.
The Atlantic Division Convention (Report) Pittsburgh ..... 27, Sept.
The Central Division Convention (Report) Columbus ..... 36, Dec.
The Delta Division Convention (Report) 1933.. 74, Feb.
The Hudson Division Convention (Report) New York ..... 86, Aug.
The Indiana State A.R.R.L. Convention (Report) South Bend ..... 27, Sept.
The Iowa State Convention (Report) Des Moines ..... 8, July
The New England Division Convention (Report) Springfield ..... 86, Oct.
The Oklahoma State Convention (Report) Ponca City ..... 86, Apr.
The Pacific Division Convention (Report) 1933. 78, Jan.
The Roanoke Division Convention ..... 88, Dec.
The Rocky Mountain Division Convention (Report) Rocky Ford ..... 78, Nov.
The Southeastern Division Convention (Report) 1933 ..... 84, Feb.
The West Gulf Division Convention (Report) 1933 ..... 76, Jan.
West Gulf Division Convention (Ann.) San Antonio ..... 28, Oct.

EDITORIALS

1914–1934 (K. B. W.) ..... 9, May
Automatic Transmission (K. B. W.) ..... 9, Feb.
Cairo Conference (K. B. W.) ..... 7, July
Class-C Examination Evils (K. B. W.) ..... 7, July
Congestion Cures (K. B. W.) ..... 7, Sept.
Directors' Elections (A. L. B.) ..... 7, Nov.
Enforcement of Regulations (K. B. W.) ..... 9, Apr.
International Message Handling (K. B. W.) .. 7, Mar.
Mobile Operation (K. B. W.) ..... 9, Aug.
Phone Operating Technique (K. B. W.) ..... 7, Mar.
Policy Towards Ultra-High Frequencies (K. B. W.) ..... 7, Dec.
Probationary Period for Beginners (K. B. W.) 7, July
Solar Cycle (K. B. W.) ..... 10, Apr.
Standard Frequency Transmissions (K. B. W.) 9, Jan.
Summer Amateur Radio (K. B. W.) ..... 7, July
Ultra-High-Frequency Possibilities (K. B. W.). 7, June
Ultra-High-Frequency Triumphs (K. B. W.)... 9, Oct.

EMERGENCY AND RELIEF WORK

Amateurs of Assistance in Emergencies (E.L.B.) 34, Apr.
Amateurs QRX in Tropical Hurricane ..... 47, Nov.
Conference on Emergency Communication (K. B. W.) ..... 38, Mar.
Detroit Police and Amateurs Cooperate for Emergencies (Conroy) ..... 17, Nov.
Emergency Work in North Carolina ..... 76, May
Washita Valley Flood (W5ACI and W5BBH)... 57, Aug.

EXPEDITIONS

Alaskan Mountain Climbers ..... 42, July
Amateurs Undertake Ocean Flight (C. C. R.).. 42, Oct.
Archeological Expedition ..... 50, Sept.
Bol-Inca Expedition .....54, June; 42, July, 50, Sept.
Byrd Antarctic Expedition—KJTY–WHEW.. 51, Jan.
Byrd Expedition ..... 76, May
Mt. Crillon Expedition ..... 45, Oct.
Pioneer Memorial Flight ..... 42, July
Schooner Morrissey (W10XDA) ..... 50, Sept.
W10XDA ..... 45, Oct.
W10XDA Back from the North (Moe) ..... 10, Dec.
WCFZ .....50, Feb.; 74, May
WHEW and KJTY ..... 46, Nov.
WHFZ (W10XDA) Goes North ..... 10, Aug.

FEATURES, FICTION, AND VERSE

A Ham's "If" (McCrum) ..... 54, Aug.
Behind the Scenes With Next Year's Model (Hawkins) ..... 25, Aug.
Epitaph for an SWL (W2EJF) ..... 39, July
Five Meters ..... 32, Mar.
Hamericana 1934 (A. D. M.) ..... 50, June
Hamdom's Traditions (Turner) ..... 32, May
It's in the Blood! (Johnson) ..... 25, Jan.
Li'l' Brass Key (W9EG) ..... 8, Sept.
QRR (W9IYA) ..... 39, July

FILTERS (See POWER SUPPLY)

FIVE METERS (See ULTRA HIGH FREQUENCIES)

FREQUENCY CALIBRATION AND CONTROL

Editorial ..... 9, Jan.
Freqmeter Calibration from B.C. Stations (Exp. Section) ..... 43, Mar.
Freqmeter-Monitor with Dual-Purpose Tube (Exp. Section) ..... 41, June
Improving the Freqmeter-Monitor (Griffin)... 31, Apr.
"Marker" Stations (F. E. H.) ..... 84, June
Spreading Out the Calibration Curve (G. G.) . 39, Oct.
Standard Frequency Transmissions:
80, Jan. 72, Apr. 78, Aug. 74, Nov.
74, Feb. 100, May 76, Sept. 80, Dec.
80, Mar. 86, June 104, Oct.
The Bandsetter (Lampkin) ..... 35, Feb.

HAMDOM

33, Jan. 23, March 52, May 28, July
34, Feb. 33, April 17, June 43, Aug.
34, Nov.

I.A.R.U. NEWS

47, Jan. 95, May 46, Sept.
47, Feb. 47, June 43, Oct.

45, March 40, July 40, Nov.
43, April 52, Aug. 48, Dec.
Amateur Radio in Poland (Gac) ..... 48, Jan.
The Amateur Regulations of the World (C. B. D.) ..... 52, Aug.
Amateur Radio in Switzerland (Stuber) ..... 43, Oct.

KEYING

An Ingenious Bug (Exp. Section) ..... 46, Aug.
Another Simple Solution of Break-In (Smith) . 18, Sept.
How's Your Fist? (Schnell) ..... 18, Feb.
Key-Thump Kinks (Exp. Section) ..... 36, Oct.
Keying the Link Circuit to Prevent Clicks (Exp. Section) ..... 43, June
On Adjusting Bug Keys ..... 57, Aug.

METERS AND MEASUREMENTS

A Ham Station Analyzer (Griffin) ..... 31, June
D.C. Measurements With the Ham Station Analyzer (Griffin) ..... 31, Nov.
Metering Individual Tubes in Push-Pull Circuits (Exp. Section) ..... 88, Oct.
The Incandescent Lamp as a Resistor (Hamburger) ..... 31, July
The Light-Bulb Resistor (Redgrave) ..... 36, Mar.

MISCELLANEOUS

A New Handbook ..... 21, Jan.
Amateur Radio—A Century of Progress—1934 (C. B. D.) ..... 34, June
Amateur Radio at the 1934 National Air Races (Pitzer) ..... 21, Dec.
Amateur Radio at the Third C.C.I.R. (Warner) 14, Dec.
Amateur Radio at World's Fair (C. B. D.) ... 39, Aug.
Amateur Radio in the Soviet Union (Kraus) .. 22, Oct.
Chicago Amateur Radio Council ..... 76, May
Club Directory Available ..... 88, Jan.
Crashing Page One (Graham) ..... 32, Jan
Election Notices (Directors' Elections) 29, Sept.; 20, Oct.; 20, Nov.
Election Notices (Section Communications Managers) 53, Feb.; 48, Apr.; 56, June; 58, Aug.; 51, Oct.
Election Results (Directors' Elections) ..... 65, Feb.
Election Results (Section Communications Managers) 53, Feb.; 49, Apr.; 56, June; 59, Aug.; 51, Oct.
Financial Statements 74, Jan.; 70, April; 18, July; 21, Oct.
Ham Radio in Japan (Upson) ..... 29, July
High-Power 'Phone DeLuxe (Anthony) ..... 24, Nov.
How to Get Those Foreign QSL's (A. L. B.) ... 36, Apr.
Information Service Rules ..... 82, Mar.
Joint Meeting I.R.E.-U.R.S.I. ..... 72, Apr.
Magnetic Materials at Radio Frequencies ... 8, Sept.
Observations on Long-Delay Radio Echoes (Dellinger) ..... 42, Aug.
QST Index (1933) ..... 16, Jan.
Reserved for YL's and YF's ..... 40, Aug.
The 1934 Meeting of the Board (Warner) ..... 1, June
The Amateur and Police Radio (Kruse) ..... 34, Jan.
W9USA ..... 15, July
W9USA—World's Fair ..... 77, May

MONITORS

Freqmeter-Monitor with Dual-Purpose Tube (Exp. Section) ..... 41, June
Improving the Freqmeter-Monitor (Griffin) ... 31, Apr.
'Phone Monitor Using a 55 (Exp. Section) .... 44, Jan.

NAVAL COMMUNICATIONS RESERVE

N.C.R. Exhibit at Yuba-Sutter Fair ..... 42, Nov.
Master Control Station NDM (Rogers) ..... 37, Apr.
Naval Reserve Notes ..... 55, Aug.
Navy Day—1933 (Battey) ..... 38, Feb.
Navy Day Receiving Competition—October 27th ..... 26, Nov.
The N Prefix ..... 53, Sept.

OBITUARY

Silent Keys:
72, Feb. 66, July 78, Sept. 70, Nov.
82, Mar. 84, Aug. 104, Oct.
Dr. George W. Kirk, W8ARJ ..... 82, Aug.
Wallace Purinton, Jr., W9CZT ..... 66, July
John W. Singleton, W1CDX ..... 82, May

OPERATING PRACTICES

A.R.R.L. A-1 Operator Club ..... 88, May
A New Standard System of Reporting Signals (Braaten) ..... 18, Oct.
A New System of Signal Reports (Redgrave) .. 55, Aug.
About Handling Messages ..... 53, Sept.
Accuracy (Love) ..... 46, Oct.
Another Simple Solution of Break-in (Smith) 18, Sept.
Editorial ..... 9, Feb.; 7, March; 7, Sept.
Fellowship and Amateur Radio (Stedman) .... 49, Mar.
High-Speed Operation (Hubbell) ..... 42, July
"Honesty . . . ?" (Anderson) ..... 53, June
How's Your Fist? (Schnell) ..... 18, Feb.
Improving Local Radio Conditions ..... 46, July
Improving Traffic Handling and Speed (Kurth) 49, Feb.
Judgment in Operating (Magill) ..... 46, Apr.
Let's Get Chummy (Washburn) ..... 44, Nov.
Making Signals Effective (Isbell) ..... 55, Aug.
Making Your Operating Effective ..... 46, Nov.
New Members—A.R.R.L. A-1 Op's Club ..... 45, Nov.
On Getting Results in Ham Radio (Trainer) .. 74, May
Operation and Coöperation (Merriman) ..... 47, Mar.
Practical Use of U.H.F. (Gutman) ..... 44, July
Radiophone Traffic Handling (Morrison) ..... 51, June
Re Schedules (W1BOF) ..... 73, May
Station Appearance (Votaw) ..... 46, Oct.
Suggesting Further Interpretation of Signal Strength Scale (McLain) ..... 50, Jan.
Ties That Will Bind (Clack) ..... 48, Mar.
What Is an A-1 Operator? ..... 64, July
What Is Good Operating? (Cunningham) ..... 56, Aug.

OSCILLOSCOPES

A Practical Cathode-Ray Oscillograph for the Amateur Station (Waller) ..... 13, Mar.
A Simple Cathode-Ray Oscilloscope (Millen and Bacon) ..... 27, Apr.
A Simple Mounting for the Cathode-Ray Tube (C. C. R.) ..... 18, June

POWER SUPPLY

874 for Stabilized Bias Supplies (Exp. Section) 43, Sept.
A.C. from D.C. Generators (Exp. Section) .... 43, Jan.
An Economical Filter Arrangement (Exp. Section) ..... 43, June
Automatic Vacuum-Tube Regulation Control for Bias- and Plate-Supply Power Packs (Yates) ..... 37, Sept.
Biasing the Power Amplifier (Grammer) ..... 33, Mar.
Boosting the Plate Voltage (Exp. Section) .... 36, Oct.
Clearing Up the Note With a Bridge Rectifier (Swan) ..... 20, Feb.
Getting Power from the Winds (G. G.) ..... 28, Mar.
Governing the Wind Generator (Exp. Section) 38, Oct.
On Transmitter "C" Bias Supplies (Exp. Section) ..... 38, July
Portable Power Supply Kinks (Exp. Section) .. 44, June
Power Transformers in Series (Exp. Section) .. 35, Nov.
This Voltage Divider Business (J. J. L.) ..... 21, Sept.

RADIOTELEPHONY

(See also ULTRA-HIGH FREQUENCIES—APPARATUS)

A Four-Band Transportable 'Phone and C.W. Transmitter (Davis) ..... 36, Aug.
A Ham Station Analyzer (Griffin) ..... 31, June
A Medium-Powered 'Phone-C.W. Transmitter With Pentode Power Tubes (Harvey and Purinton) ..... 27, Aug.
A Pentode Output Transmitter With Six-Band Exciter (Millen) ..... 24, Oct.
A Simple Volume Indicator (Exp. Section) .... 43, Mar.
A Vacuum-Tube Type Modulation Meter (Seiler) ..... 15, July
A.C. Pre-Amplifier for Condenser Mike (Exp. Section) ..... 41, June
An Efficient C.W. and 'Phone Transmitter Using the New Tubes and Circuits (Waller) Part II 11, Jan.
Carrier Ratings with Suppressor-Grid Modulation ..... 37, Nov.
Coupling a 57 S.A. to a P.P. Amplifier (Exp. Section) ..... 36, Nov.
Driver for Class-B 203-A's (Exp. Section) ... 41, Sept.
Magnets for the Velocity Microphone (Exp. Section) ..... 47, Aug.
More on Overmodulation (J. J. L.) ..... 21, Apr.
New Attenuator Control ..... 76, Apr.
'Phone Monitor Using a 55 (Exp. Section) .... 44, Jan.
Plate Modulation With Tapped Choke (Exp. Section) ..... 37, July
Practical Transmitting Circuits for the Suppressor-Type Screen-Grid Tubes (Lamb) .... 14, June
Roster, A.R.R.L. Official Phone Stations ..... 47, Apr.
Single-Tube Head Amplifier for Condenser Microphone (Exp. Section) ..... 35, Oct.
Suppressor-Grid Modulation (Lamb) ..... 19, Mar.
Suppressor-Grid Modulation in the Low-Power 160-Meter 'Phone (Mix) ..... 34, May
Taming the 'Phone Transmitter (Ehmsen) .... 29, Feb.
The 830-B—A New Tube for Class-B Service (J. J. L.) ..... 39, Feb.
The Absorption Condenser Microphone (Exp. Section) ..... 39, July
Transformerless A.C.-Operated Microphone Amplifier (Exp. Section) ..... 38, July
W10XDA Back from the North (Moe) ..... 10, Dec.

RECEIVERS—REGENERATIVE

A Novel Regenerative Receiver (Exp. Section) 42, Sept.
Battery Receiver Using a Type 19 Tube (Exp. Section) 35, Nov.
Increased Sensitivity With the Regenerative Detector (De Cola) 24, Dec.
Longer "B" Battery Life With the Rationalized Autodyne (Exp. Section) 41, Mar.
Regeneration in the Tuned R.F. Stage (Sullivan and Kienle) 53, May
Separate Regeneration in Multi-Purpose Tube (Exp. Section) 36, Nov.
Tailoring Tuned R.F. Transformers for Short-Wave Receivers (Hatry) 14, Oct.
Tapped-Coil Detector With Filament-Type Tubes (Exp. Section) 39, Apr.
Tuned R.F. for the Beginner's Receiver (Mix) 24, Mar.
What About the Simple Receiver? (Grammer) 9, June
Correction 51, Aug.

RECEIVERS—SUPERHETERODYNE

A De Luxe Crystal Type S.S. Receiver (Moffett) 40, May
A Single-Tube Short-Wave Converter (Rodimon) 11, Apr.
Automatic Gain Control With Diode Detection (Smith) 23, June
Increasing I.F. Selectivity by Regeneration (Exp. Section) 40, Apr.
On the Pentagrid Superhet (Exp. Section) 40, Apr.
The Regenerative S.S. Receiver Brought Up to Date (Woodward) 64, May

RECEIVING—GENERAL

A Stable General Purpose Test Oscillator (Shea) 40, Feb.
Disabling the Receiver During Transmitting Periods (Exp. Section) 37, Nov.
Half-Wave Hertz for Receiving (Exp. Section) 42, Mar.
Increasing C.W. Selectivity (Exp. Section) 44, June
New Receivers (J. J. L.) 17, Oct.
The Twisted-Pair-Feeder Transmitting Antenna for Receiving (Exp. Section) 38, July

RECTIFIERS

(See POWER SUPPLY)

TRANSMITTERS—PORTABLE AND LOW POWER

A Four-Band Transportable 'Phone and C.W. Transmitter (Davis) 36, Aug.
A Modern Transportable Station (Baker) 23, July
A One-Tube Crystal-Control Transmitter (Grammer) 8, Mar.
Adding to the Single-Tube Transmitter (Grammer) 22, Apr.
Flea Power in the Arctic (Ennis) 29, June
The Ultra-Midget (Rosenblatt and Miller) 33, June

TRANSMITTERS—MEDIUM AND HIGH POWER

A 500-Watt Transmitter in the Modern Manner (Jackson) 59, May
A Convertible Push-Pull Oscillator or Amplifier (Parmenter) 22, Jan.
A Medium-Powered 'Phone-C.W. Transmitter With Pentode Power Tubes (Harvey and Purinton) 27, Aug.
A Pentode Output Transmitter With Six-Band Exciter (Millen) 24, Oct.
An Efficient C.W. and 'Phone Transmitter Using the New Tubes and Circuits (Waller) Part II 11, Jan.
Completing the Three-Stage Transmitter (Grammer) 46, May
High Power from the Crystal Oscillator (Ruspoli) 13, Nov.
Low-Cost Crystal Control for High Power (Tucker) 19, June
Modernizing the Three-Tube Transmitter (Grammer) 10, Feb.
Practical Transmitting Circuits for Suppressor-Type Screen-Grid Tubes (Lamb) 14, June

TRANSMITTING—CRYSTAL CONTROL

A-Cut Crystals (J. J. L.) 17, Oct.
AT-Cut Crystals Available 12, Nov.
An Inexpensive Temperature-Control Oven (Exp. Section) 43, Feb.
More on Silvering Crystals (Exp. Section) 41, Mar.
Notes on 14-mc. C.C. Transmitters (Exp. Section) 38, Oct.
Notes on the Locked P.A. (Exp. Section) 44, Jan.
Partial Application of Crystal-Lock System (Exp. Section) 37, Oct.
Quartz Crystal Fundamentals (Wolfskill) 37, Dec.
Tri-Tet Tricks (Mims) 41, Jan.
Tube-Base Crystal Holders (Exp. Section) 42, June

TRANSMITTING—GENERAL

A Ham Station Analyzer (Griffin) 31, June
A New Pentode-Type Screen-Grid Transmitting Tube (Lamb) 71, May
A Relay Rack for Two Dollars (Carstarphen) 25, July
A Universal Antenna Coupling System for Modern Transmitters (Collins) 15, Feb.
Another Simple Solution of Break-in (Smith) 18, Sept.
Applying the Tri-Tet Principle to Frequency Multipliers (Davis) 29, Oct.
Automatic DX Relay Work for the Ham (Griffin) 9, July
Band Switching for the Transmitter (Griffin) 28, Dec.
Battery Grid Bias (Exp. Section) 36, Oct.
Biasing the Power Amplifier (Grammer) 33, Mar.
Easily Made High-Voltage Switch (Exp. Section) 37, Oct.
Editorial 9, Feb.
Improving the Performance of the Neutralized Power Amplifier (Grammer) 27, Jan.
Leaky Tube Bases (Exp. Section) 42, Mar.
Link Coupling to the Antenna Tuner (Exp. Section) 42, June
Link-Coupled TNT Amplifiers (Exp. Section) 35, Oct.
Low-Loss Low-Cost Transmitting Coils (Muldoon) 41, Dec.
Metering Individual Tubes in Push-Pull Circuits (Exp. Section) 88, Oct.
New Protective Relays for Amateur Transmitters 80, Aug.
New Transmitting By-Pass Condensers 80, Nov.
On Transmitter "C" Bias Supplies (Exp. Section) 38, July
Plugs and Jacks for Automatic Feeder Switching 49, Aug.
Simplifying Split-Stator Final Amplifiers (Goodman) 39, June
The Light-Bulb Resistor (Redgrave) 36, Mar.
The Operation of R.F. Power Amplifiers (Robinson) Part I 25, Feb.
Part II 14, Apr.
The Relay Rack in Amateur Construction (Meager) 27, Nov.
Threaded Coil Forms for the Transmitter (Exp. Section) 42, Mar.
Wiping Out the Harmonic 45, Jan.

TUBES

A New Pentode-Type Screen-Grid Transmitting Tube (Lamb) 71, May
Low-Power Screened Pentode Transmitting Tubes (G. G.) 34, Dec.
The 830-B—A New Tube for Class-B Service (J. J. L.) 39, Feb.
Tube Base Chart Available 68, Feb.

ULTRA HIGH FREQUENCIES—APPARATUS

5-Meter Antenna for the Car (Exp. Section) 35, Oct.
A Medium-Power 56-Mc. Transceiver (Jacobs) 21, June
Extending the Range of Ultra-High-Frequency Amateur Stations (Hull) 10, Oct.
Firing Up on the Newly-Opened Ultra-High Frequencies (Hull) 13, Sept.
High-Q Tank Circuits for Ultra-High Frequencies (Kolster) 69, May
New Equipment for the 56-Mc. Station (Hull and Grammer) 11, Aug.
Portable Feeders (Exp. Section) 48, Aug.
Practical Communication on the 224-Mc. Band (Hull) 8, Nov.
Stabilized 56-Mc. Transmitters (Exp. Section) 46, Aug.
Triple-Purpose Dual Tubes in "5 and 10" Portables (Reinartz) 31, Mar.

ULTRA HIGH FREQUENCIES—TESTS

28-Mc. Tests 8, July
A.R.R.L. 28-Mc. Contest Rules 17, Sept.
First Boston-New York 56-Mc. Relay (Cushing) 14, July
Flying Fun on Fifty-Six (McMinn) 47, Mar.
International 28-Mc. Contest 9, Dec.
M.I.T. Airplane Tests 24, Jan.
Notes on the Ultra-High-Frequency DX Work (Hull) 8, Dec.
Progress on 28 Mc. (C. C. R.) 21, July
Staging a 56-Mc. Hidden Transmitter Hunt (Hogen) 32, Dec.
The M.I.T. 56-Mc. Airplane Tests (R. A. H.) 21, Feb.

WHAT THE LEAGUE IS DOING

35, June 32, Aug. 20, Oct. 27, Dec.
18, July 29, Sept. 20, Nov